

# Index to volume 48

## Author index

### A

- Abernethy DR, Gutkowska J, Winterbottom LM. Effects of amlodipine, a long-acting dihydropyridine calcium antagonist in aging hypertension: pharmacodynamics in relation to disposition. 1990;48:76-86
- Abrams A (see Holtzman et al). 1990;48:590-7
- Acheampong A (see Levy et al). 1990;48:225-35
- Adedoyin A (see Zhou et al). 1990;48:10-7
- Aellig WH. Superficial hand and foot veins show no difference in sensitivity to constrictor agents. 1990;48:96-101
- Ahmed S (see Rudd et al). 1990;48:676-85
- Akester J (see Harris et al). 1990;48:189-94
- Akkila J (see Sundberg et al). 1990;48:356-64
- Allan J (see Johnson et al). 1990;48:467-72
- Ambrus JL, Anain JM, Anain SM, Anain PM, Anain JM Jr, Stadler S, Mitchell P, Brobst JA, Cobert BL, Savitsky JP. Dose-response effects of pentoxifylline on erythrocyte filterability: clinical and animal model studies. 1990;48:50-6
- Anain JM (see Ambrus et al). 1990;48:50-6
- Anain JM Jr (see Ambrus et al). 1990;48:50-6
- Anain PM (see Ambrus et al). 1990;48:50-6
- Anain SM (see Ambrus et al). 1990;48:50-6
- Anderson GD (see Levy et al). 1990;48:225-35
- Anderson GM, Spitzer WO, Weinstein MC, Wang E, Blackburn JL, Bergman U. Benefits, risks, and costs of prescription drugs: a scientific basis for evaluating policy options. 1990;48:111-9 (Commentary)
- Angelo HR (see Sindrup et al). 1990;48:686-93
- Annesley TM (see Watkins et al). 1990;48:120-9
- Antonsen O (see Jynge et al). 1990;48:481-9
- Arendt-Nielsen L (see Sindrup et al). 1990;48:686-93
- Armstrong C (see Blackwood et al). 1990;48:325-32

### B

- Baillie TA (see Levy et al). 1990;48:225-35
- Bakøe OE (see Jynge et al). 1990;48:481-9
- Ball BD (see Hill et al). 1990;48:390-8
- Barbhaiya RH, Knupp CA, Forgue ST, Matzke GR, Guay DRP, Pittman KA. Pharmacokinetics of cefepime in subjects with renal insufficiency. 1990;48:268-76
- Bartlett AN (see Kontogiorgos et al). 1990;48:255-61
- Barton C (see Rudd et al). 1990;48:676-85
- Bartoszek M (see Hill et al). 1990;48:390-8
- Bauer LA, McDonnell N, Horn JR, Zierler B, Opheim K, Strandness DE Jr. Single and multiple doses of oral cimetidine do not change liver blood flow in humans. 1990;48:195-200
- Beasley R (see Windom et al). 1990;48:296-301
- Bellino L (see May et al). 1990;48:286-95
- Benítez J (see García-Agúndez et al). 1990;48:490-5
- Benowitz NL, Jacob P III. Nicotine metabolism in nonsmokers. 1990;48:473 (Letter)

- (see Denaro et al). 1990;48:277-85
- Benraad TJ (see Jansen et al). 1990;48:179-88
- Bergman U (see Anderson et al). 1990;48:111-9 (Commentary)
- Bertilsson L (see Zhang et al). 1990;48:496-502
- Besner J-G (see Varin et al). 1990;48:18-25
- Bevan DR (see Varin et al). 1990;48:18-25
- Biaggioni I (see Mosqueda-Garcia et al). 1990;48:568-74
- Bjerring P (see Sindrup et al). 1990;48:686-93
- Black CM (see May et al). 1990;48:286-95
- Blackburn JL (see Anderson et al). 1990;48:111-9 (Commentary)
- Blackwood R, Mayou RA, Garnham JC, Armstrong C, Bryant B. Exercise capacity and quality of life in the treatment of heart failure. 1990;48:325-32
- Blöchl-Daum B (see Wagner et al). 1990;48:419-23
- Blumenthal JA, Ekelund L-G, Emery CF. Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril. 1990;48:447-54
- Blumfield D (see Townsend et al). 1990;48:665-75
- Bombassaro AM (see Boucher et al). 1990;48:130-7
- Bonduelle D (see Rudd et al). 1990;48:676-85
- Borcherding BG (see Elia et al). 1990;48:57-66
- Bottorff MB (see Lalonde et al). 1990;48:509-19
- Boucher BA, Hickerson WL, Kuhl DA, Bombassaro AM, Jaresko GS. Imipenem pharmacokinetics in patients with burns. 1990;48:130-7
- Boucher S (see Lacourcière et al). 1990;48:318-24
- Boudřková B, Szumlanski C, Maidak B, Weinshilboum R. Human liver catechol-O-methyltransferase pharmacogenetics. 1990;48:381-9
- Boudreau EF, Fleckenstein L, Pang LW, Childs GE, Schroeder AC, Ratnaratnam B, Phintuyothin P. Mefloquine kinetics in cured and recrudescing patients with acute falciparum malaria and in healthy volunteers. 1990;48:399-409
- Branch RA (see May et al). 1990;48:286-95
- (see May et al). 1990;48:619-27
- Brater DC. Clinical pharmacology: Where has the support gone? 1990;48:219-24 (Commentary)
- Breimer DD (see Cohen et al). 1990;48:309-17
- Brenner AM (see Hill et al). 1990;48:390-8
- Brenner B (see Wagner et al). 1990;48:419-23
- Brescia D (see Pan et al). 1990;48:201-7
- Brobst JA (see Ambrus et al). 1990;48:50-6
- Brøsen K (see Sindrup et al). 1990;48:686-93
- Brown CR (see Denaro et al). 1990;48:277-85
- Bryant B (see Blackwood et al). 1990;48:325-32
- Bryant SG (see Fisher and Bryant). 1990;48:102-7
- Bührer M, Maitre PO, Crevoisier C, Stanski DR. Electroencephalographic effects of benzodiazepines. II. Pharmacodynamic modeling of the electroencephalographic effect of midazolam and diazepam. 1990;48:555-67
- , —, Hung O, Stanski DR. Electroencephalographic effects of benzodiazepines. I. Choosing an electroencephalographic parameter to measure the effect of midazolam on the central nervous system. 1990;48:544-54

Burgess CD (see Windom et al). 1990;48:296-301  
Byyny RL (see Gerber et al). 1990;48:424-30

## C

Camm AJ (see McQuinn et al). 1990;48:262-7  
Carroll D (see McQuay et al). 1990;48:236-44  
Carter SB (see Miller et al). 1990;48:34-40  
Chamberlain GVP (see McQuinn et al). 1990;48:262-7  
Chan MMY (see Kumana et al). 1990;48:208-13  
Chang SF (see McQuinn et al). 1990;48:262-7  
Chattopadhyay B (see Kyerematen et al). 1990;48:641-51  
Childs GE (see Boudreau et al). 1990;48:399-409  
Clifton GD, Pennell AT, Harrison MR. Pharmacodynamics of propranolol on left ventricular function: assessment by Doppler echocardiography. 1990;48:431-8  
Cloutier G (see Depot et al). 1990;48:346-55  
Cobert BL (see Ambrus et al). 1990;48:50-6  
Cohen AF, van Hall MA, van Harten J, Schoemaker RC, Johansson P, Breimer DD, Visser R, Edgar B. The influence of infusion rate on the hemodynamic effects of felodipine. 1990;48:309-17  
Cooke RE (see Griener et al). 1990;48:520-8  
Corcoran GB (see Griener et al). 1990;48:520-8  
Costello A (see Hargreaves and Costello). 1990;48:168-78  
Council for Medical Student Education in Clinical Pharmacology and Therapeutics (see Nierenberg and Council for Medical Student Education in Clinical Pharmacology and Therapeutics). 1990;48:606-10 (Commentary)  
Crane J (see Windom et al). 1990;48:296-301  
Crevoisier C (see Bühler et al). 1990;48:555-67  
Cronin R (see Townsend et al). 1990;48:665-75  
Csuka ME (see May et al). 1990;48:286-95  
Curvall M, Vala EK, Enzell CR, Wahren J. Nicotine metabolism in nonsmokers. 1990;48:473-4 (Letter reply)  
Cutler R (see Holtzman et al). 1990;48:590-7

## D

Dalton MJ (see Depot et al). 1990;48:346-55  
Dayer P (see Porchet and Dayer). 1990;48:155-60  
deBethizy JD (see Kyerematen et al). 1990;48:641-51  
de Boo T (see Jansen et al). 1990;48:179-88  
Denaro CP, Brown CR, Wilson M, Jacob P III, Benowitz NL. Dose-dependency of caffeine metabolism with repeated dosing. 1990;48:277-85  
Depot M, Powell JR, Messenheimer JA Jr, Cloutier G, Dalton MJ. Kinetic effects of multiple oral doses of acetaminophen on a single oral dose of lamotrigine. 1990;48:346-55  
DeVault AR (see Pan et al). 1990;48:201-7  
DiMaio-Hunter A (see Notterman et al). 1990;48:138-47  
DiPette DJ (see Townsend et al). 1990;48:665-75  
Donati F (see Varin et al). 1990;48:18-25  
Drda KD (see Lalonde et al). 1990;48:509-19  
Drusano GL (see Gitterman et al). 1990;48:161-7  
Ducharme J (see Varin et al). 1990;48:18-25  
Dujovne CA (see Harris et al). 1990;48:189-94

## E

Edgar B (see Cohen et al). 1990;48:309-17  
Egan BM (see Sekkarie et al). 1990;48:537-43  
Egorin MJ (see Gitterman et al). 1990;48:161-7  
Eichler H-G (see Wagner et al). 1990;48:419-23  
Eichmeier LS (see Yu et al). 1990;48:26-33  
Ekelund L-G (see Blumenthal et al). 1990;48:447-54  
Elia J, Borcherding BG, Potter WZ, Mefford IN, Rapoport JL, Keyser CS. Stimulant drug treatment of hyperactivity: biochemical correlates. 1990;48:57-66  
Ellis CN (see Watkins et al). 1990;48:120-9  
Elvin AT (see Yu et al). 1990;48:26-33

Emery CF (see Blumenthal et al). 1990;48:447-54  
Enzell CR (see Curvall et al). 1990;48:473-4 (Letter reply)  
Eschbach J (see Meyer et al). 1990;48:340-5

## F

Faura CC (see McQuay et al). 1990;48:236-44  
Fiset C, LeBel M. Influence of the menstrual cycle on the absorption and elimination of D-xylose. 1990;48:529-36  
Fisher EA (see Kruck et al). 1990;48:439-46  
Fisher S, Bryant SG. Postmarketing surveillance: accuracy of patient drug attribution judgments. 1990;48:102-7  
Fleckenstein L (see Boudreau et al). 1990;48:399-409  
Fleishaker JC, Friedman H, Pollock SR, Smith TC. Clinical pharmacology of adinazolam and *N*-desmethyadinazolam mesylate after single oral doses of each compound in healthy volunteers. 1990;48:652-64  
Follath F (see Haefeli et al). 1990;48:245-54  
Forgue ST (see Barbhuiya et al). 1990;48:268-76  
Frappell JM (see McQuinn et al). 1990;48:262-7  
Friedman H (see Fleishaker et al). 1990;48:652-64  
Friel PN (see Levy et al). 1990;48:225-35  
Furuheim KM (see Jynge et al). 1990;48:481-9

## G

García-Agúndez JA, Luengo A, Benítez J. Aminopyrine *N*-demethylase activity in human liver microsomes. 1990;48:490-5  
Garnham JC (see Blackwood et al). 1990;48:325-32  
Gavaghan DJ (see McQuay et al). 1990;48:236-44  
Gerber JG, LoVerde M, Byyny RL, Nies AS. The antihypertensive efficacy of hydrochlorothiazide is not prostacyclin dependent. 1990;48:424-30  
Gerok W (see Knauf et al). 1990;48:628-32  
Giardina E-GV, Saroff AL, Schneider M. Effect of indecainide in patients with left ventricular dysfunction. 1990;48:582-9  
Giesing DH (see Yu et al). 1990;48:26-33  
Gitterman SR, Drusano GL, Egorin MJ, Standiford HC, Veterans Administration Cooperative Studies Group. Population pharmacokinetics of zidovudine. 1990;48:161-7  
Goddard JG (see Kontoghiorghes et al). 1990;48:255-61  
Goodman R (see Townsend et al). 1990;48:665-75  
Gordin A (see Sundberg et al). 1990;48:356-64  
Gradman A (see Townsend et al). 1990;48:665-75  
Gram LF (see Sindrup et al). 1990;48:686-93  
Green TP, Isham-Schopf B, Irmeter RJ, Smith C, Uden DL, Steinhorn RH. Inactivation of heparin during extracorporeal circulation in infants. 1990;48:148-54  
Greene D (see Harris et al). 1990;48:189-94  
Greenwald BM (see Notterman et al). 1990;48:138-47  
Gribbestad I (see Jynge et al). 1990;48:481-9  
Griener JC, Msall ME, Cooke RE, Corcoran GB. Noninvasive determination of acetaminophen disposition in Down's syndrome. 1990;48:520-8  
Guay DRP (see Barbhuiya et al). 1990;48:268-76  
Gupta RK, Kjeldsen SE, Krause L, Kneisley J, Posvar E, Weder AB, Julius S. Hemodynamic effects of quinapril, a novel angiotensin-converting enzyme inhibitor. 1990;48:41-9  
Gutkowska J (see Abernethy et al). 1990;48:76-86  
Guyot M (see Levy et al). 1990;48:225-35

## H

Ha H-R (see Haefeli et al). 1990;48:245-54  
Haefeli EW, Vozeh S, Ha H-R, Follath F. Comparison of the pharmacodynamic effects of intravenous and oral propafenone. 1990;48:245-54  
Halabi A (see Hinrichsen et al). 1990;48:302-8  
Halstenson CE (see Luke et al). 1990;48:503-8  
Hamilton B (see Holtzman et al). 1990;48:590-7

- Hamilton TA (see Watkins et al). 1990;48:120-9  
Hand CW (see McQuay et al). 1990;48:236-44  
Hargreaves KM, Costello A. Glucocorticoids suppress levels of immunoreactive bradykinin in inflamed tissue as evaluated by microdialysis probes. 1990;48:168-78  
Harris WS, Dujovne CA, von Bergmann K, Neal J, Akester J, Windsor SL, Greene D, Look Z. Effects of the ACAT inhibitor CL 277,082 on cholesterol metabolism in humans. 1990;48:189-94  
Harrison MR (see Clifton et al). 1990;48:431-8  
Heidemann HT (see Wensing et al). 1990;48:575-81  
Herring VL (see Lalonde et al). 1990;48:509-19  
Hickerson WL (see Boucher et al). 1990;48:130-7  
Hill MR, Szefer SJ, Ball BD, Bartoszek M, Brenner AM. Monitoring glucocorticoid therapy: a pharmacokinetic approach. 1990;48:390-8  
Hinrichsen H, Halabi A, Kirch W. Hemodynamic effects of different H<sub>2</sub>-receptor antagonists. 1990;48:302-8  
Holtzman JL, Abrams A, Cutler R, Hamilton B, Kirkendall WM, Neri G, Stein GH, Matthews KP. Multicenter comparison of once- and twice-daily isradipine to hydrochlorothiazide for the treatment of hypertension in elderly patients. 1990;48:590-7  
—, Weeks CE, Kvam DC, Berry DA, Mottonen L, Elholm BP, Chang SF, Conard GJ. Identification of drug interactions by meta-analysis of premarketing trials: the effect of smoking on the pharmacokinetics and dosage requirements of flecainide acetate (1989;46:1-8). 1990;48:224 (Correction)  
Hoogkamer HFW (see Jynge et al). 1990;48:481-9  
Hooper WD, Qing MS. The influence of age and gender on the stereoselective metabolism and pharmacokinetics of mephobarbital in humans. 1990;48:633-40  
Horn JR (see Bauer et al). 1990;48:195-200  
Hung O (see Bühler et al). 1990;48:544-54

I

- Irmeter RJ (see Green et al). 1990;48:148-54  
Isham-Schopf B (see Green et al). 1990;48:148-54  
Ishizaki T (see Ohnishi et al). 1990;48:67-75  
Ivashkin E (see Pan et al). 1990;48:201-7

J

- Jacob P III (see Benowitz and Jacob). 1990;48:473 (Letter)  
— (see Denaro et al). 1990;48:277-85  
James OF (see Schmucker et al). 1990;48:365-74  
Jansen TLTA, Tan ACITL, Smits P, de Boo T, Benraad TJ, Thien T. Hemodynamic effects of atrial natriuretic factor in young and elderly subjects. 1990;48:179-88  
Jaresko GS (see Boucher et al). 1990;48:130-7  
Johansson P (see Cohen et al). 1990;48:309-17  
Johnson BF, LaBelle P, Wilson J, Allan J, Zupkis RV, Ronca PD. Effects of lovastatin in diabetic patients treated with chlorpropamide. 1990;48:467-72  
Jones MB (see Miller et al). 1990;48:34-40  
Julius S (see Gupta et al). 1990;48:41-9  
Jynge P, Skjetne T, Gribbestad I, Kleinbloesem CH, Hoogkamer HFW, Antonsen O, Krane J, Bakøy OE, Furuheim KM, Nilsen OG. In vivo tissue kinetics by fluorine magnetic resonance spectroscopy: a study of liver and muscle disposition of fleroxacin in humans. 1990;48:481-9

K

- Kaakkola S (see Sundberg et al). 1990;48:356-64  
Katz LA (see Townsend et al). 1990;48:665-75  
Keyser CS (see Elia et al). 1990;48:57-66  
Kirch W (see Hinrichsen et al). 1990;48:302-8  
Kirkendall WM (see Holtzman et al). 1990;48:590-7  
Kjeldsen SE (see Gupta et al). 1990;48:41-9  
Kleinbloesem CH (see Jynge et al). 1990;48:481-9

- Klockowski PM, Lener ME, Sirgo MA, Rocci ML Jr. Comparative evaluation of the effects of isradipine and diltiazem on antipyrine and indocyanine green clearances in elderly volunteers. 1990;48:375-80  
Knauf H, Gerok W, Mutschler E, Schölmerich J, Spahn H, Wietholtz H. Xipamide disposition in liver cirrhosis. 1990;48:628-32  
Kneisley J (see Gupta et al). 1990;48:41-9  
Knapp CA (see Barbhuiya et al). 1990;48:268-76  
Kolars JC (see Watkins et al). 1990;48:120-9  
Kontogiorgos GJ, Goddard JG, Bartlett AN, Sheppard L. Pharmacokinetic studies in humans with the oral iron chelator 1,2-dimethyl-3-hydroxypyrid-4-one. 1990;48:255-61  
Kou M (see Kumana et al). 1990;48:208-13  
Krane J (see Jynge et al). 1990;48:481-9  
Krause L (see Gupta et al). 1990;48:41-9  
Kreis W (see Meyer et al). 1990;48:340-5  
Kremers P (see Schmucker et al). 1990;48:365-74  
Kruick TPA, Fisher EA, McLachlan DRC. Suppression of deferoxamine mesylate treatment-induced side effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ion-specific chelation. 1990;48:439-46  
Kuhl DA (see Boucher et al). 1990;48:130-7  
Kumana CR, Chan MMY, Wong K-L, Wong RWS, Kou M, Lauder J. Lack of association between slow acetylator status and spontaneous lupus erythematosus. 1990;48:208-13  
Kyerematen GA, Morgan ML, Chattopadhyay B, deBethizy JD, Vessell ES. Disposition of nicotine and eight metabolites in smokers and nonsmokers: identification in smokers of two metabolites that are longer lived than cotinine. 1990;48:641-51  
Kyrle PA (see Wagner et al). 1990;48:419-23

L

- LaBelle P (see Johnson et al). 1990;48:467-72  
Lacourcière Y, Poirier L, Boucher S, Spénard J. Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins. 1990;48:318-24  
Lalonde RL, O'Rear TL, Wainer IW, Drda KD, Herring VL, Bottoff MB. Labetalol pharmacokinetics and pharmacodynamics: evidence of stereoselective disposition. 1990;48:509-19  
Lanman MB (see Yu et al). 1990;48:26-33  
Lanman RC (see Yu et al). 1990;48:26-33  
Larsen U (see Sindrup et al). 1990;48:686-93  
Lauder JJ (see Kumana et al). 1990;48:208-13  
LeBel M (see Fiset and LeBel). 1990;48:529-36  
Lechner K (see Wagner et al). 1990;48:419-23  
Lemberger L (see Sheiner and Lemberger). 1990;48:476  
Lenders JWM (see Smits et al). 1990;48:410-8  
Lener ME (see Klockowski et al). 1990;48:375-80  
Levy RH, Rettenmeier AW, Anderson GD, Wilensky AJ, Friel PN, Baillie TA, Acheampong A, Tor J, Guyot M, Loiseau P. Effects of polytherapy with phenytoin, carbamazepine, and stiripentol on formation of 4-ene-valproate, a hepatotoxic metabolite of valproic acid. 1990;48:225-35  
Loiseau P (see Levy et al). 1990;48:225-35  
Look Z (see Harris et al). 1990;48:189-94  
Lou Y-q (see Zhang et al). 1990;48:496-502  
LoVerde M (see Gerber et al). 1990;48:424-30  
Luengo A (see García-Agúndez et al). 1990;48:490-5  
Luke DR, Halstenson CE, Opsahl JA. Validity of creatinine clearance estimates in the assessment of renal function. 1990;48:503-8

M

- Maidak B (see Boudíková et al). 1990;48:381-9  
Maitre PO (see Bühler et al). 1990;48:544-54  
— (see Bühler et al). 1990;48:555-67  
Matthews KP (see Holtzman et al). 1990;48:590-7  
Matzke GR (see Barbhuiya et al). 1990;48:268-76

- (see Luke et al). 1990;48:503-8
- May DG, Black CM, Olsen NJ, Csuka ME, Tanner SB, Bellino L, Porter JA, Wilkinson GR, Branch RA. Scleroderma is associated with differences in individual routes of drug metabolism: a study with dapsone, debrisoquin, and mephenytoin. 1990;48:286-95
- , Porter JA, Utrecht JP, Wilkinson GR, Branch RA. The contribution of *N*-hydroxylation and acetylation to dapsone pharmacokinetics in normal subjects. 1990;48:619-27
- Mayou RA (see Blackwood et al). 1990;48:325-32
- Mazoit JX, Sandouk P, Schermann J-M, Roche A. Extrahepatic metabolism of morphine occurs in humans. 1990;48:613-8
- McCarthy EP (see Townsend et al). 1990;48:665-75
- McDonnell N (see Bauer et al). 1990;48:195-200
- McLachlan DRC (see Kruck et al). 1990;48:439-46
- McManus M (see Schmucker et al). 1990;48:365-74
- McQuay HJ, Carroll D, Faura CC, Gavaghan DJ, Hand CW, Moore RA. Oral morphine in cancer pain: influences on morphine and metabolite concentration. 1990;48:236-44
- McQuinn RL, Pisani A, Wafa S, Chang SF, Miller AM, Frappell JM, Chamberlain GVP, Camm AJ. Flecainide excretion in human breast milk. 1990;48:262-7
- Medici TC, Rueggsegger P. Does alternate-day cloprednol therapy prevent bone loss? A longitudinal double-blind, controlled clinical study. 1990;48:455-66
- Mefford IN (see Elia et al). 1990;48:57-66
- Merrell WJ (see Naslund et al). 1990;48:87-95
- Messenheimer JA Jr (see Depot et al). 1990;48:346-55
- Metakis L (see Notterman et al). 1990;48:138-47
- Meyer BR, Kreis W, Eschbach J, O'Mara V, Rosen S, Sibalis D. Transdermal versus subcutaneous leuprolide: a comparison of acute pharmacodynamic effect. 1990;48:340-5
- Miller AM (see McQuinn et al). 1990;48:262-7
- Miller KW, Williams DS, Carter SB, Jones MB, Mishell DR Jr. The effect of olestra on systemic levels of oral contraceptives. 1990;48:34-40
- Mimeault J, Vallée F, Seelmann R, Sörgel F, Ruel M, LeBel M. Altered disposition of feroxacin in patients with cystic fibrosis (1990;47:618-28). 1990;48:627 (Correction)
- Mishell DR Jr (see Miller et al). 1990;48:34-40
- Mitchell P (see Ambrus et al). 1990;48:50-6
- Moore RA (see McQuay et al). 1990;48:236-44
- Moran F (see Notterman et al). 1990;48:138-47
- Morgan ML (see Kyerematen et al). 1990;48:641-51
- Morrill B (see Yu et al). 1990;48:26-33
- Mosqueda-Garcia R, Tseng C-J, Biaggioni I, Robertson RM, Robertson D. Effects of caffeine on baroreflex activity in humans. 1990;48:568-74
- Msall ME (see Griener et al). 1990;48:520-8
- Murakami S (see Ohnishi et al). 1990;48:67-75
- Mutschler E (see Knauf et al). 1990;48:628-32
- N**
- Nadeau JH (see Naslund et al). 1990;48:87-95
- Naslund T, Silberstein DJ, Merrell WJ, Nadeau JH, Wood AJJ. Low sodium intake corrects abnormality in  $\beta$ -receptor-mediated arterial vasodilation in patients with hypertension: correlation with  $\beta$ -receptor function in vitro. 1990;48:87-95
- Neal J (see Harris et al). 1990;48:189-94
- Neri G (see Holtzman et al). 1990;48:590-7
- Neubig RR (see Sekkari et al). 1990;48:537-43
- Neumann U (see Wensing et al). 1990;48:575-81
- Nierenberg DW. Consensus for a core curriculum in clinical pharmacology for medical students. 1990;48:603-5 (Commentary)
- , Council for Medical Student Education in Clinical Pharmacology and Therapeutics. A core curriculum for medical students in clinical pharmacology and therapeutics. 1990;48:606-10 (Commentary)
- Nies AS (see Gerber et al). 1990;48:424-30
- Nilsen OG (see Jynge et al). 1990;48:481-9
- Notterman DA, Greenwald BM, Moran F, DiMaio-Hunter A, Metakis L, Reidenberg MM. Dopamine clearance in critically ill infants and children: effect of age and organ system dysfunction. 1990;48:138-47
- O**
- Ohnhaus EE (see Wensing et al). 1990;48:575-81
- Ohnishi A, Ishizaki T, Murakami S, Tanaka T. Intrapatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis. 1990;48:67-75
- Ojala-Karlsson P (see Sundberg et al). 1990;48:356-64
- Olsen NJ (see May et al). 1990;48:286-95
- O'Mara V (see Meyer et al). 1990;48:340-5
- Opheim K (see Bauer et al). 1990;48:195-200
- Opsahl JA (see Luke et al). 1990;48:503-8
- O'Rear TL (see Lalonde et al). 1990;48:509-19
- P**
- Pan HY, DeVault AR, Swites BJ, Whigan D, Ivashkiv E, Willard DA, Brescia D. Pharmacokinetics and pharmacodynamics of pravastatin alone and with cholestyramine in hypercholesterolemia. 1990;48:201-7
- Pang LW (see Boudreau et al). 1990;48:399-409
- Pearce N (see Windom et al). 1990;48:296-301
- Pennell AT (see Clifton et al). 1990;48:431-8
- Phintuyothin P (see Boudreau et al). 1990;48:399-409
- Pisani A (see McQuinn et al). 1990;48:262-7
- Pittman KA (see Barbhaiya et al). 1990;48:268-76
- Poirier L (see Lacourcière et al). 1990;48:318-24
- Pollock SR (see Fleishaker et al). 1990;48:652-64
- Porchet HC, Dayer P. Serum concentrations and effects of  $\pm$ -nifedipine compared with nifedipine in a population of healthy subjects. 1990;48:155-60
- Porter JA (see May et al). 1990;48:286-95
- (see May et al). 1990;48:619-27
- Posvar E (see Gupta et al). 1990;48:41-9
- Potter WZ (see Elia et al). 1990;48:57-66
- Powell JR (see Depot et al). 1990;48:346-55
- Purdie G (see Windom et al). 1990;48:296-301
- Q**
- Qing MS (see Hooper and Qing). 1990;48:633-40
- R**
- Rapoport JL (see Elia et al). 1990;48:57-66
- Ratnaratnam B (see Boudreau et al). 1990;48:399-409
- Reidenberg MM. The state of drug development in the United States in 1990: a view from the academic community. 1990;48:1-9 (Commentary)
- (see Notterman et al). 1990;48:138-47
- Rettenmeier AW (see Levy et al). 1990;48:225-35
- Reviriego J (see Zhang et al). 1990;48:496-502
- Robertson D (see Mosqueda-Garcia et al). 1990;48:568-74
- Robertson RM (see Mosqueda-Garcia et al). 1990;48:568-74
- Rocci ML Jr (see Klockowski et al). 1990;48:375-80
- Roche A (see Mazoit et al). 1990;48:613-8
- Ronca PD (see Johnson et al). 1990;48:467-72
- Rosen S (see Meyer et al). 1990;48:340-5
- Rudd P, Ahmed S, Zachary V, Barton C, Bonduelle D. Improved compliance measures: applications in an ambulatory hypertensive drug trial. 1990;48:676-85
- Rueggsegger P (see Medici and Rueggsegger). 1990;48:455-66
- S**
- Sandouk P (see Mazoit et al). 1990;48:613-8

- Saroff AL (see Giardina et al). 1990;48:582-9  
Savitsky JP (see Ambrus et al). 1990;48:50-6  
Scheinin M (see Sundberg et al). 1990;48:356-64  
Scherrmann J-M (see Mazoit et al). 1990;48:613-8  
Schmucker DL, Woodhouse KW, Wang RK, Wynne H, James OF, McManus M, Kremers P. Effects of age and gender on in vitro properties of human liver microsomal monooxygenases. 1990;48:365-74  
Schneider B (see Wagner et al). 1990;48:419-23  
Schneider M (see Giardina et al). 1990;48:582-9  
Schoemaker RC (see Cohen et al). 1990;48:309-17  
Schölmerich J (see Knauf et al). 1990;48:628-32  
Schroeder AC (see Boudreau et al). 1990;48:399-409  
Sekkari MA, Egan BM, Neubig RR, Supiano MA. Sensitization of human  $\alpha_1$ - and  $\alpha_2$ -adrenergic venous responses by guanadrel sulfate. 1990;48:537-43  
Sheiner LB. Notes of the American Society for Clinical Pharmacology and Therapeutics: a message from the president. 1990;48:214, 694  
—, Lemberger L. Notes of the American Society for Clinical Pharmacology and Therapeutics: a message from the president and finance committee chairman. 1990;48:476  
Shepherd AMM. A perspective on the American Board of Clinical Pharmacology, Inc. 1990;48:611-2 (Commentary)  
Sheppard L (see Kontoghiorghes et al). 1990;48:255-61  
Sibalis D (see Meyer et al). 1990;48:340-5  
Siebers RWL (see Windom et al). 1990;48:296-301  
Silberstein DJ (see Naslund et al). 1990;48:87-95  
Sindrup SH, Brøsen K, Bjerring P, Arendt-Nielsen L, Larsen U, Angelo HR, Gram LF. Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine. 1990;48:686-93  
Sirgo MA (see Klockowski et al). 1990;48:375-80  
Sjöqvist F (see Zhang et al). 1990;48:496-502  
Skjetne T (see Jynge et al). 1990;48:628-32  
Smith C (see Green et al). 1990;48:148-54  
Smith TC (see Fleishaker et al). 1990;48:652-64  
Smits P, Lenders JWM, Thien T. Caffeine and theophylline attenuate adenosine-induced vasodilation in humans. 1990;48:410-8  
— (see Jansen et al). 1990;48:179-88  
Sopko G (see Townsend et al). 1990;48:665-75  
Spahn H (see Knauf et al). 1990;48:628-32  
Speiser W (see Wagner et al). 1990;48:419-23  
Spennard J (see Lacourcière et al). 1990;48:318-24  
Spitzer WO (see Anderson et al). 1990;48:111-9 (Commentary)  
Stadler S (see Ambrus et al). 1990;48:50-6  
Standiford HC (see Gitterman et al). 1990;48:161-7  
Stanski DR (see Bühler et al). 1990;48:544-54  
— (see Bühler et al). 1990;48:555-67  
Stein GH (see Holtzman et al). 1990;48:590-7  
Steinhorn RH (see Green et al). 1990;48:148-54  
Stolley PD. How to interpret studies of adverse drug reactions. 1990;48:337-9 (Commentary)  
Strandness DE Jr (see Bauer et al). 1990;48:195-200  
Sundberg S, Scheinin M, Ojala-Karlsson P, Kaakkola S, Akkila J, Gordin A. Exercise hemodynamics and catecholamine metabolism after catechol-O-methyltransferase inhibition with nitecapone. 1990;48:356-64  
Supiano MA (see Sekkari et al). 1990;48:537-43  
Swites BJ (see Pan et al). 1990;48:201-7  
Szeffer SJ (see Hill et al). 1990;48:390-8  
Szumlanski C (see Boudřková et al). 1990;48:381-9

T

- Tan ACITL (see Jansen et al). 1990;48:179-88  
Tanaka T (see Ohnishi et al). 1990;48:67-75

- Tanner SB (see May et al). 1990;48:286-95  
Thérêt Y (see Varin et al). 1990;48:18-25  
Thien T (see Jansen et al). 1990;48:179-88  
— (see Smits et al). 1990;48:410-8  
Tor J (see Levy et al). 1990;48:225-35  
Townsend RR, DiPette DJ, Goodman R, Blumfield D, Cronin R, Gradman A, Katz LA, McCarthy EP, Sopko G. Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients. 1990;48:665-75  
Tseng C-J (see Mosqueda-Garcia et al). 1990;48:568-74

U

- Uden DL (see Green et al). 1990;48:148-54  
Utrecht JP (see May et al). 1990;48:619-27

V

- Vala EK (see Curvall et al). 1990;48:473-4 (Letter reply)  
van Hall MA (see Cohen et al). 1990;48:309-17  
van Harten J (see Cohen et al). 1990;48:309-17  
Varin F, Ducharme J, Thérêt Y, Besner J-G, Bevan DR, Donati F. Influence of extreme obesity on the body disposition and neuromuscular blocking effect of atracurium. 1990;48:18-25  
Vesell ES (see Kyerematen et al). 1990;48:641-51  
Veterans Administration Cooperative Studies Group (see Gitterman et al). 1990;48:161-7  
Visser R (see Cohen et al). 1990;48:309-17  
von Bergmann K (see Harris et al). 1990;48:189-94  
Voorhees JJ (see Watkins et al). 1990;48:120-9  
Vozeh S (see Haefeli et al). 1990;48:245-54

W

- Wafa S (see McQuinn et al). 1990;48:262-7  
Wagner B, Schneider B, Blöchl-Daum B, Speiser W, Brenner B, Eichler H-G, Lechner K, Kyrle PA. Effect of ritanserin, a 5-hydroxytryptamine<sub>2</sub>-receptor antagonist, on platelet function and thrombin generation at the site of plug formation in vivo. 1990;48:419-23  
Wahren J (see Curvall et al). 1990;48:473-4 (Letter reply)  
Wainer IW (see Lalonde et al). 1990;48:509-19  
Wang E (see Anderson et al). 1990;48:111-9 (Commentary)  
Wang RK (see Schmucker et al). 1990;48:365-74  
Watkins PB, Hamilton TA, Annesley TM, Ellis CN, Kolars JC, Voorhees JJ. The erythromycin breath test as a predictor of cyclosporine blood levels. 1990;48:120-9  
Weder AB (see Gupta et al). 1990;48:41-9  
Weinshilboum R (see Boudřková et al). 1990;48:381-9  
Weinstein MC (see Anderson et al). 1990;48:111-9 (Commentary)  
Wensing G, Neumann U, Ohnhaus EE, Heidemann HT. Effect of antipyrine and phenobarbital on renal  $\gamma$ -glutamyltransferase excretion in human urine. 1990;48:575-81  
Whigan D (see Pan et al). 1990;48:201-7  
Wietholtz H (see Knauf et al). 1990;48:623-32  
Wilensky AJ (see Levy et al). 1990;48:225-35  
Wilkinson GR (see May et al). 1990;48:286-95  
— (see May et al). 1990;48:619-27  
— (see Zhou et al). 1990;48:10-7  
Willard DA (see Pan et al). 1990;48:201-7  
Williams DS (see Miller et al). 1990;48:34-40  
Wilson J (see Johnson et al). 1990;48:467-72  
Wilson M (see Denaro et al). 1990;48:277-85  
Windom HH, Burgess CD, Siebers RWL, Purdie G, Pearce N, Crane J, Beasley R. The pulmonary and extrapulmonary effects of inhaled  $\beta$ -agonists in patients with asthma. 1990;48:296-301  
Windsor SL (see Harris et al). 1990;48:189-94  
Winterbottom LM (see Abernethy et al). 1990;48:76-86



- Wong K-L (*see* Kumana et al). 1990;48:208-13  
Wong RWS (*see* Kumana et al). 1990;48:208-13  
Wood AJJ (*see* Naslund et al). 1990;48:87-95  
Woodhouse KW (*see* Schmucker et al). 1990;48:365-74  
Wynne H (*see* Schmucker et al). 1990;48:365-74

## Y

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## Z

- Zachary V (*see* Rudd et al). 1990;48:676-85  
Zhang Y, Reviriego J, Lou Y-q, Sjöqvist F, Bertilsson L. Diazepam metabolism in native Chinese poor and extensive hydroxylators of S-mephenytoin: interethnic differences in comparison with white subjects. 1990;48:496-502  
Zhou H-H, Adedoyin A, Wilkinson GR. Differences in plasma binding of drugs between Caucasians and Chinese subjects. 1990;48:10-7  
Zierler B (*see* Bauer et al). 1990;48:195-200  
Zupkis RV (*see* Johnson et al). 1990;48:467-72

## Subject index

### A

#### Acemannan

Acemannan (USAN List No. 319). 1990;48:217

#### Acetaminophen

Kinetic effects of multiple oral doses of acetaminophen on a single oral dose of lamotrigine (Depot et al). 1990;48:346-55

Noninvasive determination of acetaminophen disposition in Down's syndrome (Griener et al). 1990;48:520-8

#### Acetylation

The contribution of *N*-hydroxylation and acetylation to dapsone pharmacokinetics in normal subjects (May et al). 1990;48:619-27

Lack of association between slow acetylator status and spontaneous lupus erythematosus (Kumana et al). 1990;48:208-13

#### Acquired immunodeficiency syndrome

Population pharmacokinetics of zidovudine (Gitterman et al). 1990;48:161-7

#### Acyl coenzyme A:cholesterol acyltransferase; see Cholesterol acyltransferase

#### Adaprolol maleate

Adaprolol maleate (USAN List No. 320). 1990;48:336

#### Adenosine

Caffeine and theophylline attenuate adenosine-induced vasodilation in humans (Smits et al). 1990;48:410-8

#### Adinazolam

Clinical pharmacology of adinazolam and *N*-desmethyldiazepam mesylate after single oral doses of each compound in healthy volunteers (Fleishaker et al). 1990;48:652-64

#### Administration, cutaneous

Transdermal versus subcutaneous leuprolide: a comparison of acute pharmacodynamic effect (Meyer et al). 1990;48:340-5

#### Administration, inhalation

The pulmonary and extrapulmonary effects of inhaled  $\beta$ -agonists in patients with asthma (Windom et al). 1990;48:296-301

#### Administration, oral

Comparison of the pharmacodynamic effects of intravenous and oral propafenone (Haefeli et al). 1990;48:245-54

Kinetic effects of multiple oral doses of acetaminophen on a single oral dose of lamotrigine (Depot et al). 1990;48:346-55

Oral morphine in cancer pain: influences on morphine and metabolite concentration (McQuay et al). 1990;48:236-44

Pharmacokinetic studies in humans with the oral iron chelator 1,2-dimethyl-3-hydroxypyrid-4-one (Kontoghiorghes et al). 1990;48:255-61

#### Adrenergic alpha receptor blockers

Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients (Townsend et al). 1990;48:665-75

#### Adrenergic beta receptor agonists

The pulmonary and extrapulmonary effects of inhaled  $\beta$ -agonists in patients with asthma (Windom et al). 1990;48:296-301

#### Adrenergic beta receptor blockers

Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients (Townsend et al). 1990;48:665-75

Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

#### Adverse drug reactions; see Drugs, adverse effects

#### Age

Dopamine clearance in critically ill infants and children: effect of age and organ system dysfunction (Notterman et al). 1990;48:138-47

Effects of age and gender on in vitro properties of human liver microsomal monooxygenases (Schmucker et al). 1990;48:365-74

The influence of age and gender on the stereoselective metabolism and pharmacokinetics of mephobarbital in humans (Hooper and Qing). 1990;48:633-40

#### Age

Comparative evaluation of the effects of isradipine and diltiazem on antipyrine and indocyanine green clearances in elderly volunteers (Klockowski et al). 1990;48:375-80

Effects of amlodipine, a long-acting dihydropyridine calcium antagonist in aging hypertension: pharmacodynamics in relation to disposition (Abernethy et al). 1990;48:76-86

Hemodynamic effects of atrial natriuretic factor in young and elderly subjects (Jansen et al). 1990;48:179-88

Multicenter comparison of once- and twice-daily isradipine to hydrochlorothiazide for the treatment of hypertension in elderly patients (Holtzman et al). 1990;48:590-7

#### AIDS; see Acquired immunodeficiency syndrome

#### Albumins

Differences in plasma binding of drugs between Caucasians and Chinese subjects (Zhou et al). 1990;48:10-7

#### Alendronate sodium

Alendronate sodium (USAN List No. 318). 1990;48:109

#### Alpha adrenergic receptors; see Receptors, adrenergic, alpha

#### Alpha-blockers; see Adrenergic alpha receptor blockers

#### Alpha<sub>1</sub>-acid glycoprotein; see Orosomucoid

#### Aluminum

Suppression of deferoxamine mesylate treatment-induced side effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ion-specific chelation (Kruck et al). 1990;48:439-46

#### Alzheimer's disease

Suppression of deferoxamine mesylate treatment-induced side effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ion-specific chelation (Kruck et al). 1990;48:439-46

#### Ameltole

Ameltole (USAN List No. 321). 1990;48:480

#### American Board of Clinical Pharmacology, Inc.

A perspective on the American Board of Clinical Pharmacology, Inc. (Shepherd). 1990;48:611-2 (Commentary)

#### American Society for Clinical Pharmacology and Therapeutics

Future meeting dates and sites of the ASCPT. 1990;48:33, 214

A message from the president and finance committee chairman (Sheiner and Lemberger). 1990;48:476

**American Society for Clinical Pharmacology and Therapeutics—cont'd**

A message from the president (Sheiner). 1990;48:214, 694  
Notes. 1990;48:214, 333-4, 476-7, 598, 694

**Aminopyrine N-demethylase**

Aminopyrine N-demethylase activity in human liver microsomes (García-Agúndez et al). 1990;48:490-5

**Aminosalicyclic acids**

Effect of food coadministration in 5-aminosalicylic acid oral suspension bioavailability (Yu et al). 1990;48:26-33

**Amlodipine**

Effects of amlodipine, a long-acting dihydropyridine calcium antagonist in aging hypertension: pharmacodynamics in relation to disposition (Abernethy et al). 1990;48:76-86

**Ammonia N 13**

Ammonia N 13 (USAN List No. 321). 1990;48:480

**Amorolfine**

Amorolfine (USAN List No. 321). 1990;48:480

**Analeptics**

Stimulant drug treatment of hyperactivity: biochemical correlates (Elia et al). 1990;48:57-66

**Analgesia**

Oral morphine in cancer pain: influences on morphine and metabolite concentration (McQuay et al). 1990;48:236-44

**Angiotensin-converting enzyme inhibitors**

Hemodynamic effects of quinapril, a novel angiotensin-converting enzyme inhibitor (Gupta et al). 1990;48:41-9

Intrapatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75

Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

**Anti-arrhythmia agents**

Effect of decainide in patients with left ventricular dysfunction (Giardina et al). 1990;48:582-9

**Anti-hypertensive agents; see also Hypertension**

The antihypertensive efficacy of hydrochlorothiazide is not prostacyclin dependent (Gerber et al). 1990;48:424-30

Improved compliance measures: applications in an ambulatory hypertensive drug trial (Rudd et al). 1990;48:676-85

**Antipyrene**

Comparative evaluation of the effects of isradipine and diltiazem on antipyrene and indocyanine green clearances in elderly volunteers (Klockowski et al). 1990;48:375-80

Effect of antipyrene and phenobarbital on renal  $\gamma$ -glutamyltransferase excretion in human urine (Wensing et al). 1990;48:575-81

**Arterial vasodilation; see Vasodilation****Ascites**

Xipamide disposition in liver cirrhosis (Knauf et al). 1990;48:628-32

**Asthma**

The pulmonary and extrapulmonary effects of inhaled  $\beta$ -agonists in patients with asthma (Windom et al). 1990;48:296-301

**Atenolol**

Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients (Townsend et al). 1990;48:665-75

Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

**Atracurium**

Influence of extreme obesity on the body disposition and neuromuscular blocking effect of atracurium (Varin et al). 1990;48:18-25

**Atrial natriuretic factor; see Natriuretic peptides, atrial****Attention deficit disorder with hyperactivity**

Stimulant drug treatment of hyperactivity: biochemical correlates (Elia et al). 1990;48:57-66

**B****Baroreflex**

Effects of caffeine on baroreflex activity in humans (Mosqueda-García et al). 1990;48:568-74

**Batanopride hydrochloride**

Batanopride hydrochloride (USAN List No. 323). 1990;48:695

**Benzodiazepines**

Electroencephalographic effects of benzodiazepines. I. Choosing an electroencephalographic parameter to measure the effect of midazolam on the central nervous system (Bührer et al). 1990;48:544-54

Electroencephalographic effects of benzodiazepines. II. Pharmacodynamic modeling of the electroencephalographic effect of midazolam and diazepam (Bührer et al). 1990;48:555-67

**Beta agonists; see Adrenergic beta receptor agonists****Beta-blockers; see Adrenergic beta receptor blockers****Beta receptors; see Receptors, adrenergic, beta****Betiade**

Betiade (USAN List No. 320). 1990;48:336

**Biological availability**

Effect of food coadministration in 5-aminosalicylic acid oral suspension bioavailability (Yu et al). 1990;48:26-33

The effect of olestra on systemic levels of oral contraceptives (Miller et al). 1990;48:34-40

**Blood flow, regional; see Regional blood flow****Blood platelets**

Effect of ritanserin, a 5-hydroxytryptamine<sub>2</sub>-receptor antagonist, on platelet function and thrombin generation at the site of plug formation in vivo (Wagner et al). 1990;48:419-23

**Blood pressure**

Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins (Lacourcière et al). 1990;48:318-24

Effects of caffeine on baroreflex activity in humans (Mosqueda-García et al). 1990;48:568-74

**Bone resorption**

Does alternate-day cloprednol therapy prevent bone loss? A longitudinal double-blind, controlled clinical study (Medici and Rügsegger). 1990;48:455-66

**Books received**

Books received. 1990;48:218, 602

**Bradykinin**

Glucocorticoids suppress levels of immunoreactive bradykinin in inflamed tissue as evaluated by microdialysis probes (Hargreaves and Costello). 1990;48:168-78

**Breast feeding**

Flecainide excretion in human breast milk (McQuinn et al). 1990;48:262-7

**Breath tests**

The erythromycin breath test as a predictor of cyclosporine blood levels (Watkins et al). 1990;48:120-9

**Brifentanil hydrochloride**

Brifentanil hydrochloride (USAN List No. 319). 1990;48:215

**Burns**

Imipenem pharmacokinetics in patients with burns (Boucher et al). 1990;48:130-7

**C****Caffeine**

Caffeine and theophylline attenuate adenosine-induced vasodilation in humans (Smits et al). 1990;48:410-8

Dose-dependency of caffeine metabolism with repeated dosing (Denaro et al). 1990;48:277-85



- Effects of caffeine on baroreflex activity in humans (Mosqueda-Garcia et al). 1990;48:568-74
- Calcium channel blockers**
- Comparative evaluation of the effects of isradipine and diltiazem on antipyrine and indocyanine green clearances in elderly volunteers (Klockowski et al). 1990;48:375-80
- Cancer; see Neoplasms**
- Captopril**
- Inpatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75
- Carbamazepine**
- Effects of polytherapy with phenytoin, carbamazepine, and stiripentol on formation of 4-ene-valproate, a hepatotoxic metabolite of valproic acid (Levy et al). 1990;48:225-35
- Catechol methyltransferase**
- Exercise hemodynamics and catecholamine metabolism after catechol-*O*-methyltransferase inhibition with nitecapone (Sundberg et al). 1990;48:356-64
- Human liver catechol-*O*-methyltransferase pharmacogenetics (Boudiková et al). 1990;48:381-9
- Catecholamines**
- Exercise hemodynamics and catecholamine metabolism after catechol-*O*-methyltransferase inhibition with nitecapone (Sundberg et al). 1990;48:356-64
- Caucasians; see Race characteristics**
- Cefepime**
- Pharmacokinetics of cefepime in subjects with renal insufficiency (Barbhaiya et al). 1990;48:268-76
- Central nervous system**
- Electroencephalographic effects of benzodiazepines. I. Choosing an electroencephalographic parameter to measure the effect of midazolam on the central nervous system (Bührer et al). 1990;48:544-54
- Central nervous system stimulants; see Analeptics**
- Chelating agents**
- Suppression of deferoxamine mesylate treatment-induced effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ion-specific chelation (Kruck et al). 1990;48:439-46
- Child**
- Dopamine clearance in critically ill infants and children: effect of age and organ system dysfunction (Notterman et al). 1990;48:138-47
- Chinese; see Race characteristics**
- Chlorpropamide**
- Effects of lovastatin in diabetic patients treated with chlorpropamide (Johnson et al). 1990;48:467-72
- Cholesterol**
- Effects of the ACAT inhibitor CL 277,082 on cholesterol metabolism in humans (Harris et al). 1990;48:189-94
- Cholesterol acyltransferase**
- Effects of the ACAT inhibitor CL 277,082 on cholesterol metabolism in humans (Harris et al). 1990;48:189-94
- Cholestyramine**
- Pharmacokinetics and pharmacodynamics of pravastatin alone and with cholestyramine in hypercholesterolemia (Pan et al). 1990;48:201-7
- Cicletanine**
- Cicletanine (USAN List No. 318). 1990;48:108
- Cigarette smoking; see Smoking**
- Cimetidine**
- Hemodynamic effects of different H<sub>2</sub>-receptor antagonists (Hinrichsen et al). 1990;48:302-8
- Labetalol pharmacokinetics and pharmacodynamics: evidence of stereoselective disposition (Lalonde et al). 1990;48:509-19
- Single and multiple doses of oral cimetidine do not change liver blood flow in humans (Bauer et al). 1990;48:195-200
- CL 277,082**
- Effects of the ACAT inhibitor CL 277,082 on cholesterol metabolism in humans (Harris et al). 1990;48:189-94
- Clinical pharmacology; see Pharmacology, clinical**
- Cloprednol**
- Does alternate-day cloprednol therapy prevent bone loss? A longitudinal double-blind, controlled clinical study (Medici and Rügsegger). 1990;48:455-66
- Codeine**
- Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine (Sindrup et al). 1990;48:686-93
- Coffee**
- Dose-dependency of caffeine metabolism with repeated dosing (Denaro et al). 1990;48:277-85
- Commentaries**
- Commentaries. 1990;48:1-9, 111-9, 219-24, 337-9, 603-12
- Compliance**
- Improved compliance measures: applications in an ambulatory hypertensive drug trial (Rudd et al). 1990;48:676-85
- Constrictor agents; see Vasoconstrictor agents**
- Contraceptives, oral**
- The effect of olestra on systemic levels of oral contraceptives (Miller et al). 1990;48:34-40
- Copper**
- Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine (Sindrup et al). 1990;48:686-93
- Corrections**
- Altered disposition of feroxacin in patients with cystic fibrosis (Mimeault et al) (1990;47:618-28). 1990;48:627
- Identification of drug interactions by meta-analysis of premarketing trials: the effect of smoking on the pharmacokinetics and dosage requirements of flecainide acetate (Holtzman et al) (1989;46:1-8). 1990;48:224
- Corticotropin ovine trifluoride**
- Corticotropin ovine trifluoride (USAN List No. 322). 1990;48:599
- Cost benefit analysis**
- Benefits, risks, and costs of prescription drugs: a scientific basis for evaluating policy options (Anderson et al). 1990;48:111-9 (Commentary)
- The state of drug development in the United States in 1990: a view from the academic community (Reidenberg). 1990;48:1-9 (Commentary)
- Cotinine**
- Disposition of nicotine and eight metabolites in smokers and non-smokers: identification in smokers of two metabolites that are longer lived than cotinine (Kyerematen et al). 1990;48:641-51
- Creatinine**
- Pharmacokinetics of cefepime in subjects with renal insufficiency (Barbhaiya et al). 1990;48:268-76
- Validity of creatinine clearance estimates in the assessment of renal function (Luke et al). 1990;48:503-8
- Critical care**
- Dopamine clearance in critically ill infants and children: effect of age and organ system dysfunction (Notterman et al). 1990;48:138-47
- Curriculum**
- Consensus for a core curriculum in clinical pharmacology for medical students (Nierenberg). 1990;48:603-5 (Commentary)
- A core curriculum for medical students in clinical pharmacology and therapeutics (Nierenberg and Council for Medical Student Education in Clinical Pharmacology and Therapeutics). 1990;48:606-10 (Commentary)
- Cutaneous administration; see Administration, cutaneous**

**Cyclosporins**

The erythromycin breath test as a predictor of cyclosporine blood levels (Watkins et al). 1990;48:120-9

**D****D-xylose; see Xylose****Dapsone**

The contribution of *N*-hydroxylation and acetylation to dapsone pharmacokinetics in normal subjects (May et al). 1990;48:619-27

Scleroderma is associated with differences in individual routes of drug metabolism: a study with dapsone, debrisoquin, and mephenytoin (May et al). 1990;48:286-95

**Debrisoquin**

Scleroderma is associated with differences in individual routes of drug metabolism: a study with dapsone, debrisoquin, and mephenytoin (May et al). 1990;48:286-95

**Deferoxamine**

Suppression of deferoxamine mesylate treatment-induced side effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ion-specific chelation (Kruck et al). 1990;48:439-46

**Delayed-action preparations**

Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins (Lacourcière et al). 1990;48:318-24

**Desflurane**

Desflurane (USAN List No. 319). 1990;48:215

**Desmethyldiazepam**

Clinical pharmacology of diazepam and *N*-desmethyldiazepam mesylate after single oral doses of each compound in healthy volunteers (Fleishaker et al). 1990;48:652-64

**Desogestrel**

Desogestrel (USAN List No. 322). 1990;48:601

**Dexrazoxane**

Dexrazoxane (USAN List No. 323). 1990;48:696

**Dextroamphetamine**

Stimulant drug treatment of hyperactivity: biochemical correlates (Elia et al). 1990;48:57-66

**Diabetes mellitus, non-insulin-dependent**

Effects of lovastatin in diabetic patients treated with chlorpropamide (Johnson et al). 1990;48:467-72

**Dialysis**

Glucocorticoids suppress levels of immunoreactive bradykinin in inflamed tissue as evaluated by microdialysis probes (Hargreaves and Costello). 1990;48:168-78

**Diazepam**

Diazepam metabolism in native Chinese poor and extensive hydroxylators of *S*-mephenytoin: interethnic differences in comparison with white subjects (Zhang et al). 1990;48:496-502

Electroencephalographic effects of benzodiazepines. II. Pharmacodynamic modeling of the electroencephalographic effect of midazolam and diazepam (Bührer et al). 1990;48:555-67

**Didanosine**

Didanosine (USAN List No. 322). 1990;48:601

**Digoxin**

Exercise capacity and quality of life in the treatment of heart failure (Blackwood et al). 1990;48:325-32

**Dihydropyridines**

Effects of amlodipine, a long-acting dihydropyridine calcium antagonist in aging hypertension: pharmacodynamics in relation to disposition (Abernethy et al). 1990;48:76-86

**Diltiazem**

Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins (Lacourcière et al). 1990;48:318-24

Comparative evaluation of the effects of isradipine and diltiazem on antipyrine and indocyanine green clearances in elderly volunteers (Klockowski et al). 1990;48:375-80

**Dimepranol acedoben**

Dimepranol acedoben (USAN List No. 318). 1990;48:108

**1,2-Dimethyl-3-hydroxypyrid-4-one**

Pharmacokinetic studies in humans with the oral iron chelator 1,2-dimethyl-3-hydroxypyrid-4-one (Kontoghiorghes et al). 1990;48:255-61

**Diuretics**

Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

Xipamide disposition in liver cirrhosis (Knauf et al). 1990;48:628-32

**Dopamine**

Dopamine clearance in critically ill infants and children: effect of age and organ system dysfunction (Notterman et al). 1990;48:138-47

**Doppler echocardiography; see Echocardiography, Doppler****Doramectin**

Doramectin (USAN List No. 323). 1990;48:696

**Dose-response relationship, drug**

Dose-dependency of caffeine metabolism with repeated dosing (Denaro et al). 1990;48:277-85

Dose-response effects of pentoxifylline on erythrocyte filterability: clinical and animal model studies (Ambrus et al). 1990;48:50-6

**Down's syndrome**

Noninvasive determination of acetaminophen disposition in Down's syndrome (Griener et al). 1990;48:520-8

**Doxacurium chloride**

Doxacurium chloride (USAN List No. 319). 1990;48:216

**Drug design**

The state of drug development in the United States in 1990: a view from the academic community (Reidenberg). 1990;48:1-9 (Commentary)

**Drug evaluation**

Benefits, risks, and costs of prescription drugs: a scientific basis for evaluating policy options (Anderson et al). 1990;48:111-9 (Commentary)

**Drug industry**

The state of drug development in the United States in 1990: a view from the academic community (Reidenberg). 1990;48:1-9 (Commentary)

**Drug interactions**

Clinical pharmacology of diazepam and *N*-desmethyldiazepam mesylate after single oral doses of each compound in healthy volunteers (Fleishaker et al). 1990;48:652-64

Kinetic effects of multiple oral doses of acetaminophen on a single oral dose of lamotrigine (Depot et al). 1990;48:346-55

**Drugs, adverse effects**

How to interpret studies of adverse drug reactions (Stolley). 1990;48:337-9 (Commentary)

Postmarketing surveillance: accuracy of patient drug attribution judgments (Fisher and Bryant). 1990;48:102-7

**E****Echocardiography, Doppler**

Pharmacodynamics of propranolol on left ventricular function: assessment by Doppler echocardiography (Clifton et al). 1990;48:431-8

**Economics**

Clinical pharmacology: Where has the support gone? (Brater). 1990;48:219-24 (Commentary)

**Elatrexate**

Elatrexate (USAN List No. 323). 1990;48:695

## Education

- Clinical pharmacology: Where has the support gone? (Brater). 1990;48:219-24 (Commentary)
- Consensus for a core curriculum in clinical pharmacology for medical students (Nierenberg). 1990;48:603-5 (Commentary)
- A core curriculum for medical students in clinical pharmacology and therapeutics (Nierenberg and Council for Medical Student Education in Clinical Pharmacology and Therapeutics). 1990;48:606-10 (Commentary)

## Efrotomycin

- Efrotomycin (USAN List No. 319). 1990;48:217

## Elderly; see Aged

## Electroencephalography

- Electroencephalographic effects of benzodiazepines. I. Choosing an electroencephalographic parameter to measure the effect of midazolam on the central nervous system (Bührer et al). 1990;48:544-54
- Electroencephalographic effects of benzodiazepines. II. Pharmacodynamic modeling of the electroencephalographic effect of midazolam and diazepam (Bührer et al). 1990;48:555-67

## Elsamitrucin

- Elsamitrucin (USAN List No. 321). 1990;48:479

## Enalapril

- Inpatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75
- Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

## 4-Ene-valproate; see Valproate

## Enzymes

- Aminopyrine *N*-demethylase activity in human liver microsomes (García-Agúndez et al). 1990;48:490-5

## Erythrocyte deformability

- Dose-response effects of pentoxifylline on erythrocyte filterability: clinical and animal model studies (Ambrus et al). 1990;48:50-6

## Erythrocyte filterability; see Erythrocyte deformability

## Erythromycin

- The erythromycin breath test as a predictor of cyclosporine blood levels (Watkins et al). 1990;48:120-9

## Essential hypertension; see Hypertension

## Etabonate

- Etabonate (USAN List No. 322). 1990;48:600

## Ethics

- The state of drug development in the United States in 1990: a view from the academic community (Reidenberg). 1990;48:1-9 (Commentary)

## Ethnic differences; see Race characteristics

## Exercise

- Exercise capacity and quality of life in the treatment of heart failure (Blackwood et al). 1990;48:325-32
- Exercise hemodynamics and catecholamine metabolism after catechol-*O*-methyltransferase inhibition with nitecapone (Sundberg et al). 1990;48:356-64

## Extracorporeal circulation

- Inactivation of heparin during extracorporeal circulation in infants (Green et al). 1990;48:148-54

## F

## Falciparum malaria; see Malaria

## Famotidine

- Hemodynamic effects of different H<sub>2</sub>-receptor antagonists (Hinrichsen et al). 1990;48:302-8

## Fasting

- Effect of food coadministration in 5-aminosalicylic acid oral suspension bioavailability (Yu et al). 1990;48:26-33

## Felodipine

- The influence of infusion rate on the hemodynamic effects of felodipine (Cohen et al). 1990;48:309-17

## Flecainide

- Flecainide excretion in human breast milk (McQuinn et al). 1990;48:262-7

## Fleroxacin

- In vivo tissue kinetics by fluorine magnetic resonance spectroscopy: a study of liver and muscle disposition of fleroxacin in humans (Jynge et al). 1990;48:481-9

## Fluorine

- In vivo tissue kinetics by fluorine magnetic resonance spectroscopy: a study of liver and muscle disposition of fleroxacin in humans (Jynge et al). 1990;48:481-9

## Fluorodopa F 18

- Fluorodopa F 18 (USAN List No. 321). 1990;48:480

## Food

- Effect of food coadministration in 5-aminosalicylic acid oral suspension bioavailability (Yu et al). 1990;48:26-33

## Foot

- Superficial hand and foot veins show no difference in sensitivity to constrictor agents (Aellig). 1990;48:96-101

## G

## Gamma-glutamyltransferase

- Effect of antipyrine and phenobarbital on renal  $\gamma$ -glutamyltransferase excretion in human urine (Wensing et al). 1990;48:575-81

## Gender; see Sex characteristics

## Genetics

- Human liver catechol-*O*-methyltransferase pharmacogenetics (Boudková et al). 1990;48:381-9

## Gevotroline hydrochloride

- Gevotroline hydrochloride (USAN List No. 318). 1990;48:110

## Glucocorticoids

- Glucocorticoids suppress levels of immunoreactive bradykinin in inflamed tissue as evaluated by microdialysis probes (Hargreaves and Costello). 1990;48:168-78
- Monitoring glucocorticoid therapy: a pharmacokinetic approach (Hill et al). 1990;48:390-8

## Guanadrel sulfate

- Sensitization of human  $\alpha_1$ - and  $\alpha_2$ -adrenergic venous responses by guanadrel sulfate (Sekkari et al). 1990;48:537-43

## Guest reviewers

- Guest reviewers. 1990;48:475

## H

## H<sub>2</sub>-receptor antagonists; see Receptors, histamine H<sub>2</sub>, antagonists

## Halobetasol propionate

- Halobetasol propionate (USAN List No. 322). 1990;48:600

## Hand

- Superficial hand and foot veins show no difference in sensitivity to constrictor agents (Aellig). 1990;48:96-101

## Heart failure, congestive

- Exercise capacity and quality of life in the treatment of heart failure (Blackwood et al). 1990;48:325-32

## Heart rate

- Effects of caffeine on baroreflex activity in humans (Mosqueda-García et al). 1990;48:568-74

## Heart ventricle

- Effect of indecainide in patients with left ventricular dysfunction (Giardina et al). 1990;48:582-9
- Pharmacodynamics of propranolol on left ventricular function: assessment by Doppler echocardiography (Clifton et al). 1990;48:431-8

**Hemodynamics**

- Exercise hemodynamics and catecholamine metabolism after catechol-*O*-methyltransferase inhibition with nitecapone (Sundberg et al). 1990;48:356-64
- Hemodynamic effects of atrial natriuretic factor in young and elderly subjects (Jansen et al). 1990;48:179-88
- Hemodynamic effects of different H<sub>2</sub>-receptor antagonists (Hinrichsen et al). 1990;48:302-8
- Hemodynamic effects of quinapril, a novel angiotensin-converting enzyme inhibitor (Gupta et al). 1990;48:41-9
- The influence of infusion rate on the hemodynamic effects of felodipine (Cohen et al). 1990;48:309-17
- Intrapatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75

**Heparin**

- Inactivation of heparin during extracorporeal circulation in infants (Green et al). 1990;48:148-54

**HIV**

- Population pharmacokinetics of zidovudine (Gitterman et al). 1990;48:161-7

**Hormones**

- Inpatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75

**Hydrochlorothiazide**

- The antihypertensive efficacy of hydrochlorothiazide is not prostacyclin dependent (Gerber et al). 1990;48:424-30
- Multicenter comparison of once- and twice-daily isradipine to hydrochlorothiazide for the treatment of hypertension in elderly patients (Holtzman et al). 1990;48:590-7

**Hydroxylation**

- The contribution of *N*-hydroxylation and acetylation to dapsone pharmacokinetics in normal subjects (May et al). 1990;48:619-27
- Diazepam metabolism in native Chinese poor and extensive hydroxylators of *S*-mephenytoin: interethnic differences in comparison with white subjects (Zhang et al). 1990;48:496-502

**5-Hydroxytryptamine receptor; see Receptors, serotonin****Hyperactivity; see Attention deficit disorder with hyperactivity****Hypercholesterolemia**

- Pharmacokinetics and pharmacodynamics of pravastatin alone and with cholestyramine in hypercholesterolemia (Pan et al). 1990;48:201-7

**Hypertension**

- The antihypertensive efficacy of hydrochlorothiazide is not prostacyclin dependent (Gerber et al). 1990;48:424-30
- Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients (Townsend et al). 1990;48:665-75
- Effects of amlodipine, a long-acting dihydropyridine calcium antagonist in aging hypertension: pharmacodynamics in relation to disposition (Abernethy et al). 1990;48:76-86
- Improved compliance measures: applications in an ambulatory hypertensive drug trial (Rudd et al). 1990;48:676-85
- Low sodium intake corrects abnormality in  $\beta$ -receptor-mediated arterial vasodilation in patients with hypertension: correlation with  $\beta$ -receptor function in vitro (Naslund et al). 1990;48:87-95
- Multicenter comparison of once- and twice-daily isradipine to hydrochlorothiazide for the treatment of hypertension in elderly patients (Holtzman et al). 1990;48:590-7
- Quality of life among hypertensive patients with a diuretic back-

ground who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

**I****Ibutilide fumarate**

- Ibutilide fumarate (USAN List No. 323). 1990;48:698

**Imipenem**

- Imipenem pharmacokinetics in patients with burns (Boucher et al). 1990;48:130-7

**Indecainide**

- Effect of indecainide in patients with left ventricular dysfunction (Giardina et al). 1990;48:582-9

**Indocyanine green**

- Comparative evaluation of the effects of isradipine and diltiazem on antipyrine and indocyanine green clearances in elderly volunteers (Klockowski et al). 1990;48:375-80

**Infant**

- Dopamine clearance in critically ill infants and children: effect of age and organ system dysfunction (Notterman et al). 1990;48:138-47
- Inactivation of heparin during extracorporeal circulation in infants (Green et al). 1990;48:148-54

**Inflammation**

- Glucocorticoids suppress levels of immunoreactive bradykinin in inflamed tissue as evaluated by microdialysis probes (Hargreaves and Costello). 1990;48:168-78

**Infusions, intravenous**

- Comparison of the pharmacodynamic effects of intravenous and oral propafenone (Haefeli et al). 1990;48:245-54
- The influence of infusion rate on the hemodynamic effects of felodipine (Cohen et al). 1990;48:309-17

**Inhalation administration; see Administration, inhalation****Injections, subcutaneous**

- Transdermal versus subcutaneous leuprolide: a comparison of acute pharmacodynamic effect (Meyer et al). 1990;48:340-5

**Intravenous infusion; see Infusions, intravenous****Inulin**

- Validity of creatinine clearance estimates in the assessment of renal function (Luke et al). 1990;48:503-8

**Ipazilide fumarate**

- Ipazilide fumarate (USAN List No. 318). 1990;48:110

**Iron chelates**

- Pharmacokinetic studies in humans with the oral iron chelator 1,2-dimethyl-3-hydroxypyrid-4-one (Kontoghiorghes et al). 1990;48:255-61

**Isoniazid**

- Suppression of deferoxamine mesylate treatment-induced side effects by coadministration of isoniazid in a patient with Alzheimer's disease subject to aluminum removal by ion-specific chelation (Kruck et al). 1990;48:439-46

**Isradipine**

- Comparative evaluation of the effects of isradipine and diltiazem on antipyrine and indocyanine green clearances in elderly volunteers (Klockowski et al). 1990;48:375-80
- Multicenter comparison of once- and twice-daily isradipine to hydrochlorothiazide for the treatment of hypertension in elderly patients (Holtzman et al). 1990;48:590-7

**K****Kidney**

- Effect of antipyrine and phenobarbital on renal  $\gamma$ -glutamyltransferase excretion in human urine (Wensing et al). 1990;48:575-81
- Extrahepatic metabolism of morphine occurs in humans (Mazoit et al). 1990;48:613-8
- Pharmacokinetics of cefepime in subjects with renal insufficiency (Barbhaiya et al). 1990;48:268-76

Validity of creatinine clearance estimates in the assessment of renal function (Luke et al). 1990;48:503-8

## L

### Labetalol

Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients (Townsend et al). 1990;48:665-75

Labetalol pharmacokinetics and pharmacodynamics: evidence of stereoselective disposition (Lalonde et al). 1990;48:509-19

### Lamotrigine

Kinetic effects of multiple oral doses of acetaminophen on a single oral dose of lamotrigine (Depot et al). 1990;48:346-55

### Lasers

Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine (Sindrup et al). 1990;48:686-93

### Left ventricle; see Heart ventricle

### Letters

Nicotine metabolism in nonsmokers (Benowitz and Jacob) (Letter); (Curvall et al) (Reply). 1990;48:473-4

### Leuprolide

Transdermal versus subcutaneous leuprolide: a comparison of acute pharmacodynamic effect (Meyer et al). 1990;48:340-5

### Lipoproteins

Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins (Lacourcière et al). 1990;48:318-24

### Liver

Extrahepatic metabolism of morphine occurs in humans (Mazoit et al). 1990;48:613-8

Human liver catechol-O-methyltransferase pharmacogenetics (Boudíková et al). 1990;48:381-9

In vivo tissue kinetics by fluorine magnetic resonance spectroscopy: a study of liver and muscle disposition of fleroxacin in humans (Jynge et al). 1990;48:481-9

Single and multiple doses of oral cimetidine do not change liver blood flow in humans (Bauer et al). 1990;48:195-200

### Liver cirrhosis

Inpatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75

Xipamide disposition in liver cirrhosis (Knauf et al). 1990;48:628-32

### Liver microsomes; see Microsomes, liver

### Loracarbef

Loracarbef (USAN List No. 322). 1990;48:599

### Loteprednol etabonate

Loteprednol etabonate (USAN List No. 323). 1990;48:698

### Lovastatin

Effects of lovastatin in diabetic patients treated with chlorpropamide (Johnson et al). 1990;48:467-72

### Lungs

The pulmonary and extrapulmonary effects of inhaled  $\beta$ -agonists in patients with asthma (Windom et al). 1990;48:296-301

### Lupus erythematosus, systemic

Lack of association between slow acetylator status and spontaneous lupus erythematosus (Kumana et al). 1990;48:208-13

## M

### Magnetic resonance spectroscopy; see Nuclear magnetic resonance

### Malaria

Mefloquine kinetics in cured and recrudescing patients with acute falciparum malaria and in healthy volunteers (Boudreau et al). 1990;48:399-409

### Masoprocrol

Masoprocrol (USAN List No. 318). 1990;48:109

### Mefloquine

Mefloquine kinetics in cured and recrudescing patients with acute falciparum malaria and in healthy volunteers (Boudreau et al). 1990;48:399-409

### Menstrual cycle

Influence of the menstrual cycle on the absorption and elimination of D-xylose (Fiset and LeBel). 1990;48:529-36

### Mephenytoin

Scleroderma is associated with differences in individual routes of drug metabolism: a study with dapsone, debrisoquin and mephenytoin (May et al). 1990;48:286-95

### Mephobarbital

The influence of age and gender on the stereoselective metabolism and pharmacokinetics of mephobarbital in humans (Hooper and Qing). 1990;48:633-40

### Methenytoin

Diazepam metabolism in native Chinese poor and extensive hydroxylators of S-mephenytoin: interethnic differences in comparison with white subjects (Zhang et al). 1990;48:496-502

### Methylphenidate

Stimulant drug treatment of hyperactivity: biochemical correlates (Elia et al). 1990;48:57-66

### Methylprednisolone

Monitoring glucocorticoid therapy: a pharmacokinetic approach (Hill et al). 1990;48:390-8

### Metoprolol

Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins (Lacourcière et al). 1990;48:318-24

### Metoprolol fumarate

Metoprolol fumarate (USAN List No. 319). 1990;48:217

### Microdialysis; see Dialysis

### Microsomes, liver

Aminopyrine N-demethylase activity in human liver microsomes (García-Agúndez et al). 1990;48:490-5

Effects of age and gender on in vitro properties of human liver microsomal monooxygenases (Schmucker et al). 1990;48:365-74

### Midazolam

Electroencephalographic effects of benzodiazepines. I. Choosing an electroencephalographic parameter to measure the effect of midazolam on the central nervous system (Bührer et al). 1990;48:544-54

Electroencephalographic effects of benzodiazepines. II. Pharmacodynamic modeling of the electroencephalographic effect of midazolam and diazepam (Bührer et al). 1990;48:555-67

### Miglitol

Miglitol (USAN List No. 323). 1990;48:697

### Milk, human

Flecainide excretion in human breast milk (McQuinn et al). 1990;48:262-7

### Mivacurium chloride

Mivacurium chloride (USAN List No. 321). 1990;48:478

### Modacainide

Modacainide (USAN List No. 321). 1990;48:479

### Morbid obesity; see Obesity, morbid

### Morphine

Extrahepatic metabolism of morphine occurs in humans (Mazoit et al). 1990;48:613-8

Oral morphine in cancer pain: influences on morphine and metabolite concentration (McQuay et al). 1990;48:236-44

### Moxidectin

Moxidectin (USAN List No. 322). 1990;48:601



**Muscles**

In vivo tissue kinetics by fluorine magnetic resonance spectroscopy: a study of liver and muscle disposition of feroxacin in humans (Jynge et al). 1990;48:481-9

**N****Natriuresis**

Inpatient comparison of acute hemodynamic, hormonal, and natriuretic responses to captopril versus enalapril in liver cirrhosis (Ohnishi et al). 1990;48:67-75

**Natriuretic peptides, atrial**

Hemodynamic effects of atrial natriuretic factor in young and elderly subjects (Jansen et al). 1990;48:179-88

**Neoplasms**

Oral morphine in cancer pain: influences on morphine and metabolite concentration (McQuay et al). 1990;48:236-44

**Netrafilcon A**

Netrafilcon A (USAN List No. 321). 1990;48:479

**Neuromuscular blocking agents**

Influence of extreme obesity on the body disposition and neuromuscular blocking effect of atracurium (Varin et al). 1990;48:18-25

**Nicardipine**

Serum concentrations and effects of  $\pm$ -nicardipine compared with nifedipine in a population of healthy subjects (Porchet and Dayer). 1990;48:155-60

**Nicotine**

Disposition of nicotine and eight metabolites in smokers and nonsmokers: identification in smokers of two metabolites that are longer lived than cotinine (Kyerematen et al). 1990;48:641-51

**Nifedipine**

Serum concentrations and effects of  $\pm$ -nicardipine compared with nifedipine in a population of healthy subjects (Porchet and Dayer). 1990;48:155-60

**Nitecapone**

Exercise hemodynamics and catecholamine metabolism after catechol-O-methyltransferase inhibition with nitecapone (Sundberg et al). 1990;48:356-64

**Non-insulin-dependent diabetes mellitus; see Diabetes mellitus, non-insulin-dependent****Nuclear magnetic resonance**

In vivo tissue kinetics by fluorine magnetic resonance spectroscopy: a study of liver and muscle disposition of feroxacin in humans (Jynge et al). 1990;48:481-9

**O****Obesity, morbid**

Influence of extreme obesity on the body disposition and neuromuscular blocking effect of atracurium (Varin et al). 1990;48:18-25

**Octreotide acetate**

Octreotide acetate (USAN List No. 320). 1990;48:335

**Olestra**

The effect of olestra on systemic levels of oral contraceptives (Miller et al). 1990;48:34-40

**Oral administration; see Administration, oral****Oral contraceptives; see Contraceptives, oral****Ormaplatin**

Ormaplatin (USAN List No. 318). 1990;48:108

**Orosomucoid**

Differences in plasma binding of drugs between Caucasians and Chinese subjects (Zhou et al). 1990;48:10-7

**Osteoporosis**

Does alternate-day cloprednol therapy prevent bone loss? A lon-

gitudinal double-blind, controlled clinical study (Medici and R  gsegger). 1990;48:455-66

**P****Pain**

Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine (Sindrup et al). 1990;48:686-93

Oral morphine in cancer pain: influences on morphine and metabolite concentration (McQuay et al). 1990;48:236-44

**Passive smoking; see Tobacco smoke pollution****Patient compliance**

Improved compliance measures: applications in an ambulatory hypertensive drug trial (Rudd et al). 1990;48:676-85

**Patient participation**

Postmarketing surveillance: accuracy of patient drug attribution judgments (Fisher and Bryant). 1990;48:102-7

**Pemedolac**

Pemedolac (USAN List No. 320). 1990;48:336

**Pentoxifylline**

Dose-response effects of pentoxifylline on erythrocyte filterability: clinical and animal model studies (Ambrus et al). 1990;48:50-6

**Pharmacogenetics; see Genetics****Pharmacology, clinical**

Clinical pharmacology: Where has the support gone? (Brater). 1990;48:219-24 (Commentary)

Consensus for a core curriculum in clinical pharmacology for medical students (Nierenberg). 1990;48:603-5 (Commentary)

A core curriculum for medical students in clinical pharmacology and therapeutics (Nierenberg and Council for Medical Student Education in Clinical Pharmacology and Therapeutics). 1990;48:606-10 (Commentary)

**Phenobarbital**

Effect of antipyrine and phenobarbital on renal  $\gamma$ -glutamyltransferase excretion in human urine (Wensing et al). 1990;48:575-81

**Phenytoin**

Effects of polytherapy with phenytoin, carbamazepine, and stiripentol on formation of 4-ene-valproate, a hepatotoxic metabolite of valproic acid (Levy et al). 1990;48:225-35

**Plasma**

Comparative effects of diltiazem sustained-release formulation and metoprolol on ambulatory blood pressure and plasma lipoproteins (Lacourci  re et al). 1990;48:318-24

Differences in plasma binding of drugs between Caucasians and Chinese subjects (Zhou et al). 1990;48:10-7

**Platelets; see Blood platelets****Polymorphism**

Human liver catechol-O-methyltransferase pharmacogenetics (Boud  kov   et al). 1990;48:381-9

**Postmarketing surveillance; see Product surveillance, postmarketing****Pravastatin**

Pharmacokinetics and pharmacodynamics of pravastatin alone and with cholestyramine in hypercholesterolemia (Pan et al). 1990;48:201-7

**Prednisolone**

Monitoring glucocorticoid therapy: a pharmacokinetic approach (Hill et al). 1990;48:390-8

**Prescriptions, drug**

Benefits, risks, and costs of prescription drugs: a scientific basis for evaluating policy options (Anderson et al). 1990;48:111-9 (Commentary)

**Product surveillance, postmarketing**

Postmarketing surveillance: accuracy of patient drug attribution judgments (Fisher and Bryant). 1990;48:102-7

## Propafenone

Comparison of the pharmacodynamic effects of intravenous and oral propafenone (Haefeli et al). 1990;48:245-54

## Propranolol

Pharmacodynamics of propranolol on left ventricular function: assessment by Doppler echocardiography (Clifton et al). 1990;48:431-8

## Prostacyclins; see Prostaglandins X

## Prostaglandins X

The antihypertensive efficacy of hydrochlorothiazide is not prostacyclin dependent (Gerber et al). 1990;48:424-30

## Pulmonary effects; see Lungs

## Q

## Quality of life

Exercise capacity and quality of life in the treatment of heart failure (Blackwood et al). 1990;48:325-32

Quality of life among hypertensive patients with a diuretic background who are taking atenolol and enalapril (Blumenthal et al). 1990;48:447-54

## Quinapril

Hemodynamic effects of quinapril, a novel angiotensin-converting enzyme inhibitor (Gupta et al). 1990;48:41-9

## R

## Race characteristics

Combined  $\alpha/\beta$ -blockade versus  $\beta_1$ -selective blockade in essential hypertension in black and white patients (Townsend et al). 1990;48:665-75

Diazepam metabolism in native Chinese poor and extensive hydroxylators of S-mephenytoin: interethnic differences in comparison with white subjects (Zhang et al). 1990;48:496-502

Differences in plasma binding of drugs between Caucasians and Chinese subjects (Zhou et al). 1990;48:10-7

## Ranitidine

Hemodynamic effects of different  $H_2$ -receptor antagonists (Hinrichsen et al). 1990;48:302-8

## Receptors, adrenergic, alpha

Sensitization of human  $\alpha_1$ - and  $\alpha_2$ -adrenergic venous responses by guanadrel sulfate (Sekkari et al). 1990;48:537-43

## Receptors, adrenergic, beta

Low sodium intake corrects abnormality in  $\beta$ -receptor-mediated arterial vasodilation in patients with hypertension: correlation with  $\beta$ -receptor function in vitro (Naslund et al). 1990;48:87-95

## Receptors, histamine H2, antagonists

Hemodynamic effects of different  $H_2$ -receptor antagonists (Hinrichsen et al). 1990;48:302-8

## Receptors, serotonin

Effect of ritanserin, a 5-hydroxytryptamine<sub>2</sub>-receptor antagonist, on platelet function and thrombin generation at the site of plug formation in vivo (Wagner et al). 1990;48:419-23

## Regional blood flow

Single and multiple doses of oral cimetidine do not change liver blood flow in humans (Bauer et al). 1990;48:195-200

## Renal function; see Kidney

## Renal insufficiency; see Kidney

## Reviewers

Guest reviewers. 1990;48:475

## Risotilide hydrochloride

Risotilide hydrochloride (USAN List No. 318). 1990;48:110

## Ritanserin

Effect of ritanserin, a 5-hydroxytryptamine<sub>2</sub>-receptor antagonist,

on platelet function and thrombin generation at the site of plug formation in vivo (Wagner et al). 1990;48:419-23

## S

## Sarafloxacin hydrochloride

Sarafloxacin hydrochloride (USAN List No. 321). 1990;48:478

## Scleroderma

Scleroderma is associated with differences in individual routes of drug metabolism: a study with dapsone, debrisoquin, and mephenytoin (May et al). 1990;48:286-95

## Serazapine hydrochloride

Serazapine hydrochloride (USAN List No. 318). 1990;48:109

## Serotonin receptors; see Receptors, serotonin

## Serum

Serum concentrations and effects of  $\pm$ -nicardipine compared with nifedipine in a population of healthy subjects (Porchet and Dayer). 1990;48:155-60

## Sex characteristics

Effects of age and gender on in vitro properties of human liver microsomal monooxygenases (Schmucker et al). 1990;48:365-74

The influence of age and gender on the stereoselective metabolism and pharmacokinetics of mephobarbital in humans (Hooper and Qing). 1990;48:633-40

## Smoking

Disposition of nicotine and eight metabolites in smokers and non-smokers: identification in smokers of two metabolites that are longer lived than cotinine (Kyerematen et al). 1990;48:641-51

## Sodium, dietary

Low sodium intake corrects abnormality in  $\beta$ -receptor-mediated arterial vasodilation in patients with hypertension: correlation with  $\beta$ -receptor function in vitro (Naslund et al). 1990;48:87-95

## Somagrebove

Somagrebove (USAN List No. 323). 1990;48:697

## Somavubove

Somavubove (USAN List No. 323). 1990;48:696

## Sparteine

Codeine increases pain thresholds to copper vapor laser stimuli in extensive but not poor metabolizers of sparteine (Sindrup et al). 1990;48:686-93

## Stereoisomers

The influence of age and gender on the stereoselective metabolism and pharmacokinetics of mephobarbital in humans (Hooper and Qing). 1990;48:633-40

Labetalol pharmacokinetics and pharmacodynamics: evidence of stereoselective disposition (Lalonde et al). 1990;48:509-19

## Steroids

Does alternate-day cloprednol therapy prevent bone loss? A longitudinal double-blind, controlled clinical study (Medici and Rueggsegger). 1990;48:455-66

## Stimulants, nervous; see Analeptics

## Stiripentol

Effects of polytherapy with phenytoin, carbamazepine, and stiripentol on formation of 4-ene-valproate, a hepatotoxic metabolite of valproic acid (Levy et al). 1990;48:225-35

## Subcutaneous injections; see Injections, subcutaneous

## Sulofenur

Sulofenur (USAN List No. 323). 1990;48:697

## Sustained-release formulation; see Delayed-action preparations

## Systemic lupus erythematosus; see Lupus erythematosus, systemic

## T

## Tandospirone citrate

Tandospirone citrate (USAN List No. 319). 1990;48:216

**Technetium Tc 99m mertiatide**

Technetium Tc 99m mertiatide (USAN List No. 320). 1990;48:335

**Technetium Tc 99m siboroxime**

Technetium Tc 99m siboroxime (USAN List No. 322). 1990;48:600

**Tematropium methylsulfate**

Tematropium methylsulfate (USAN List No. 323). 1990;48:698

**Theophylline**

Caffeine and theophylline attenuate adenosine-induced vasodilation in humans (Smits et al). 1990;48:410-8

**Thrombin**Effect of ritanserin, a 5-hydroxytryptamine<sub>2</sub>-receptor antagonist, on platelet function and thrombin generation at the site of plug formation in vivo (Wagner et al). 1990;48:419-23**Tobacco smoke pollution**

Disposition of nicotine and eight metabolites in smokers and non-smokers: identification in smokers of two metabolites that are longer lived than cotinine (Kyerematen et al). 1990;48:641-51

**Training programs; see Education****Transdermal administration; see Administration, cutaneous****Triflutate**

Triflutate (USAN List No. 322). 1990;48:599

**U****United States Adopted Names Council**

USAN Council. 1990;48:108-10, 215-7, 335-6, 478-80, 599-601, 695-8

**Urine**Effect of antipyrine and phenobarbital on renal  $\gamma$ -glutamyltransferase excretion in human urine (Wensing et al). 1990;48:575-81**V****Valproate**

Effects of polytherapy with phenytoin, carbamazepine, and stiripentol on formation of 4-ene-valproate, a hepatotoxic metabolite of valproic acid (Levy et al). 1990;48:225-35

**Vapor laser; see Lasers****Vasoconstriction**Sensitization of human  $\alpha_1$ - and  $\alpha_2$ -adrenergic venous responses by guanadrel sulfate (Sekkarie et al). 1990;48:537-43**Vasoconstrictor agents**

Superficial hand and foot veins show no difference in sensitivity to constrictor agents (Aellig). 1990;48:96-101

**Vasodilation**

Caffeine and theophylline attenuate adenosine-induced vasodilation in humans (Smits et al). 1990;48:410-8

Low sodium intake corrects abnormality in  $\beta$ -receptor-mediated arterial vasodilation in patients with hypertension: correlation with  $\beta$ -receptor function in vitro (Naslund et al). 1990;48:87-95**Veins**Sensitization of human  $\alpha_1$ - and  $\alpha_2$ -adrenergic venous responses by guanadrel sulfate (Sekkarie et al). 1990;48:537-43

Superficial hand and foot veins show no difference in sensitivity to constrictor agents (Aellig). 1990;48:96-101

**Ventricle; see Heart ventricle****X****Xamoterol**

Exercise capacity and quality of life in the treatment of heart failure (Blackwood et al). 1990;48:325-32

**Xanthines**

Caffeine and theophylline attenuate adenosine-induced vasodilation in humans (Smits et al). 1990;48:410-8

**Xipamide**

Xipamide disposition in liver cirrhosis (Knauf et al). 1990;48:628-32

**Xylose**

Influence of the menstrual cycle on the absorption and elimination of D-xylose (Fiset and LeBel). 1990;48:529-36

**Z****Zidovudine**

Population pharmacokinetics of zidovudine (Gitterman et al). 1990;48:161-7

